

SUMMER 2015

# the <sup>in</sup>Field

THE FIELD MUSEUM MEMBER MAGAZINE





# dear member

The Field

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## ON THE COVER

This imperial Qing Dynasty silk robe is one of hundreds of dazzling objects featured in the *Cyrus Tang Hall of China*, the Field's newest permanent exhibition opening June 24. See page 4.

A114245\_01D / JOHN WEINSTEIN

The Field  
Museum

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[fieldmuseum.org](http://fieldmuseum.org)

With your generous support, The Field Museum is investigating science and revealing history in innovative ways.

In this issue, read about The Field's "citizen scientists," a small army of volunteers who bring fresh perspectives and new energy to the Museum's research initiatives.

Learn how these committed individuals broaden The Field's public reach through programs such as the Bird Collision Monitors and the Calumet Ecological Restoration project.

Reflecting this same spirit of participation and contribution is the exceptional support of the Cyrus Tang Family.

The Tangs join a long tradition of family patronage here at The Field. We thank long-time Museum board member Michael Tang for his outstanding commitment to the *Cyrus Tang Hall of China*, The Field's latest permanent exhibition. When it opens in June, the *Tang Hall* will provide a singular experience, showcasing China's rich history and vibrant culture through an anthropological lens.

Finally, we extend our gratitude to you, our members and friends, who continue to support our work. I would especially like to recognize the consistent generosity of The Field LOYALTY Club, Class of 2014—members and donors who have supported the Museum for 20 years and whose names are listed in this issue.

Thank you.

**RICHARD W. LARIVIERE, PHD**  
PRESIDENT AND CEO





# Trumpeting the Return of Mammoths and Mastodons

By Hilary Hansen, Traveling Exhibitions Manager

**ON MAY 30, THE FIELD MUSEUM WELCOMES HOME ONE OF ITS MOST BELOVED SPECIAL EXHIBITIONS:** *Mammoths and Mastodons*. Long-time members might remember when this exhibition delighted Museum visitors with spectacular fossil specimens, towering life-sized replicas of Ice Age megafauna, and multimedia installations.



GN91333\_1660 / KAREN BEAN

The exhibition is sure to become a favorite of new members, too. Designed to enthrall all ages, *Mammoths and Mastodons* creates an unforgettable experience for the entire family. Visitors can learn the distinctions between the two mammals, their diverse habitats, daily lives, and eventual extinction. Also showcased are rare and evocative artifacts, including some of the oldest art in existence created by early humans.



ILLUSTRATION BY VELIZAR SIMEONOVSKI © THE FIELD MUSEUM

Wonder where *Mammoths and Mastodons* has been hiding during the last five years? Locked in a vault or a sprawling warehouse? Since the exhibition closed at The Field in 2010, it has traveled more than 23,000 miles, making eight stops in the United States including Anchorage, Boston, St. Louis, and Denver. And in 2013, it made its longest journey to date.

For the first time, a Field Museum exhibition was presented in Edinburgh and London. *Mammoths and Mastodons* filled 11 sea containers on an immense ocean freighter and made the voyage from San Diego through the Panama Canal across the Atlantic Ocean and eventually to the United Kingdom—all in six weeks' time.

Nearly one million museum visitors around the world have stood in the shadow of a Columbian mammoth, marveled at figurines sculpted by ancient hands, and tested their skill at picking up objects using a mechanical elephant's trunk. Now, *Mammoths and Mastodons* returns to Chicago—where these ancient creatures roamed more than 10,000 years ago—to charm visitors once again. Miss your chance and you'll have to head to Canada in 2016 to catch the second leg of the exhibition's new North American tour! **ITF**

*This exhibition was created by The Field Museum.*

**MEMBER PREVIEW: FRIDAY, MAY 29**





# CYRUS TANG

## EXPLORING MORE

# HALL

# OF CHINA

By Franck Mercurio, Editor

**AMERICANS TEND TO THINK OF CHINA AS MONOLITHIC: A GIGANTIC, SINGULAR ENTITY DEFINED BY ONE LAND, ONE PEOPLE, ONE CULTURE.**

But China is actually composed of diverse landscapes, ethnicities, social statuses, and lived experiences that cut across both space and time. The Museum's new *Cyrus Tang Hall of China* explores this vast country and examines the paradox of constant change and strong continuity that define more than 5,000 years of Chinese cultural history, from the Neolithic period to the present.

The Museum's curatorial expertise—coupled with its extensive collections—offers a unique perspective on the cultural traditions that underscore contemporary China. When it opens to the public on June 24, the *Tang Hall* will be the largest permanent exhibition in the United States to examine Chinese culture and history from an anthropological viewpoint.

Gary Feinman, PhD, the Museum's East Asian Anthropology curator, explains, "While art museums typically highlight the aesthetic and contextual qualities of specific objects, the *Cyrus Tang Hall of China* will tell the stories of the people who used them, the traditions they forged, and the legacies of that history that underlays and helps us understand the present."



A115183D\_002A (ABOVE)

IMAGES BY JOHN WEINSTEIN (UNLESS OTHERWISE NOTED)

© THE FIELD MUSEUM / GEDI JAKOVICKAS (TOP OF PAGE)

MEMBER PREVIEW WEEKEND: JUNE 20-21



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# THAN 5,000 YEARS OF CHINESE CULTURE

Drawing from a collection of over 33,000 archaeological, historical, and ethnographic artifacts, the curatorial team has assembled 400 stellar objects for display within the *Tang Hall's* five galleries. Exhibited are an astounding variety of items, including Neolithic pottery and jades, Shang and Zhou Dynasty bronzes, Han and Tang Dynasty burial objects, Song and Ming Dynasty ceramics, Buddhist and Daoist sculptures from multiple periods, and exquisite rubbings, textiles, and paintings. To help inform visitors about these objects, dozens of experts from across the globe collaborated with Museum curators; their insights are woven into the exhibition.

Interactive touchscreen labels allow visitors to choose from an array of stories about each object. Visual media also enhance the exhibition experience, including a video presentation of a Chinese shadow puppet performance. Filmed from two perspectives—the viewer's and the performer's—the video highlights the artistry as seen from both sides of the screen.

Curators structured the *Tang Hall's* five galleries around particular themes, from the country's diverse peoples and landscapes to political unification and fragmentation to traditional beliefs and practices. The first two galleries are chronological and orient visitors to the foundations of Chinese history. The final three galleries are thematic, spanning China's imperial period.

Highlights in the *Tang Hall* include a 27-foot-long hand scroll painting detailing a panorama of life along a riverside city during spring; objects used by students and scholars; statues of temple guardians; a divination text in the rare Naxi script; and masks from the Museum's rich Chinese theater collection.

Berthold Laufer, PhD, first curator of Asian Anthropology at The Field from 1908 to 1934, led two major expeditions to China in the early 20th century, and his acquisitions form the core of the Museum's Chinese collections. Acquiring close to 19,000 archaeological, historical, and folk objects—which span from the Neolithic period to the early 1900s—Laufer held a great appreciation for Chinese culture and history. The objects he collected cover diverse aspects of Chinese religion, arts, and daily life across different geographical regions and social levels—themes that are presented in the *Tang Hall*.

In addition to the Laufer collection, the *Tang Hall* also showcases the Museum's spectacular collection from the *Java Sea Shipwreck*, highlighting the exchange of ideas and goods through trade. Excavated from the wreck of a 12th–13th century trading vessel, the surviving cargo and personal effects of its crew point to the complex relationships between China, Southeast Asia, and beyond.

After the galleries, the *Tang Hall* opens out to the "East Garden," a contemplative space where visitors can relax after viewing the exhibition. Inspired by Chinese gardens, the space has a contemporary feel with



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strong connections to nature and classic Chinese aesthetics. Eight spirit stones—donated to the Museum by the Municipal Government of Suzhou, China—serve as the centerpiece for the East Garden. In traditional Chinese gardens, spirit stones often resemble mountains and inspire visions of idealized landscapes. The Garden is dedicated to Sue Ling Gin, a long time Field Museum trustee and generous supporter of the exhibition.

This summer, visit The Field Museum and learn more about China's enduring and diverse cultural traditions in this engaging new permanent exhibition. **ITF**

Education and Community Partner:



# Engaging Philanthropy

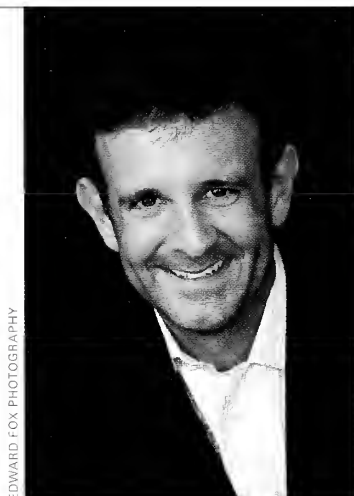
## President's Leadership Council

*By Erin King, Donor Relations Manager*

**THE FIELD MUSEUM'S AUXILIARY GROUPS** develop enduring relationships with donors, bringing together individuals with shared interests and providing opportunities to discover, serve, and support the Museum in ways that are personally meaningful.



The President's Leadership Council, founded in 2007, is a donor group that provides direct financial support to the Museum at the Founders' Council level (\$2,500+). It is composed of established professionals who have an interest in civic and philanthropic activity and seek a close affiliation with The Field. Members support Museum initiatives through expertise-based volunteer work and engage new donors at all levels. For more information, please contact Michael Wren at 312.665.7777 or [mwren@fieldmuseum.org](mailto:mwren@fieldmuseum.org). **ITF**



### RYAN RUSKIN

The President's Leadership Council is pleased to introduce its new chair: Ryan Ruskin. As president and COO of The Ruskin Group, Ryan leads business development and general management for the 120-year-old family packaging company founded by his great grandfather. The Ruskin Group is recognized as a world leader in sustainability and consists of three business units that supply a wide range of products, specializing in paperboard folding cartons, corrugated packaging, and stock shipping supplies. Previously, Ryan was a management consultant with A.T. Kearney, where his practice focused on supply chain and manufacturing strategies with many Fortune 100 companies.

Ryan is the immediate past president of the Princeton Club of Chicago and currently serves on the Executive Committee of the Alumni Council of Princeton University. He has served as vice-chairman of the President's Leadership Council since 2013 and been an auxiliary group member since 2009. In his new role as chair, Ryan will serve as a Field Museum Trustee and member of its Development Committee.



# Dozin' with the Dinos

## Spend the night at the Museum!

By Eduarda Briseño, Public Learning Experiences Manager

### HAVE YOU EVER WONDERED WHAT IT IS LIKE TO SPEND A NIGHT AT THE MUSEUM? FOR THE ULTIMATE ADVENTURERS,

the Museum's overnight program, *Dozin' with the Dinos*, is a must-do activity. For nearly 30 years, families with children ages 6–12 years old have

explored The Field at night and engaged in hands-on science activities that deepen their understanding of the natural world. Designed to expand children's awareness of "all things science," the overnight program provides a special opportunity to spark children's curiosity and foster critical-thinking skills.

During this exclusive event, Field Museum scientists showcase real artifacts and specimens from the over 27 million objects *not* on display. Children can touch real dinosaur bones, hold a live tarantula, and examine bird specimens or dissect owl pellets, fold an origami dinosaur, and play instruments from around the world. For those interested in a deeper dive, families can add a behind-the-scenes tour of the Museum's collections led by a Field Museum scientist. As the lights dim, families go on self-guided flashlight tours of *Inside Ancient Egypt*, take part in fun Maker Station activities, or wind down with animal yoga before drifting off to dreamland in one of the Museum's amazing exhibitions. At a *Dozin' with the Dinos* overnight, the adventures are endless!

Tickets for the 2016 overnight season go on sale July 1. Visit [fieldmuseum.org/overnights](http://fieldmuseum.org/overnights) for a list of 2016 dates and member ticket options. **ITF**



IMAGES: THE FIELD MUSEUM / EDUCATION



ECCO 385 / ALVARO DEL CAMPO

# CONTRIBUTING TO SCIENCE

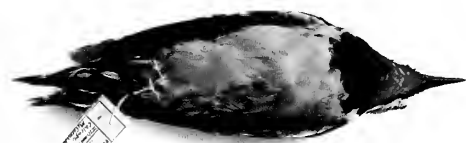
By Holly Smith,  
Museum Volunteer

**THINK PROFESSIONAL SCIENTISTS ARE THE ONLY ONES CONTRIBUTING TO SCIENCE AT THE FIELD MUSEUM? THINK AGAIN.** Many volunteer citizen scientists participate in ongoing research and stewardship projects, helping to strengthen connections between scientists and the public.

The following is a sampling of three citizen science projects at The Field. Become inspired and help contribute to science today!

## Chicago Bird Collision Monitors

Since 2003, The Field Museum has partnered with the all-volunteer organization Chicago Bird Collision Monitors (CBCM). Volunteers patrol for and respond to calls about birds that have been injured or killed after flying into windows. In the past year, volunteers have rescued thousands of injured birds. When birds cannot be saved, volunteers bring them to the Museum where scientists and volunteers prep and measure the specimens and record information about the collisions. Scientists then use the data to create recommendations for bird-safe buildings and investigate changes in particular species over time.



If you don't have modern specimens, you're not doing your generation's job," says David Willard, bird collections manager emeritus.

CBCM is always looking for new volunteers. "Even with 75 to 100 people, they're short of what they want to do," adds Willard. Check out the website for information on training sessions: [www.birdmonitors.net/Volunteer.php](http://www.birdmonitors.net/Volunteer.php).

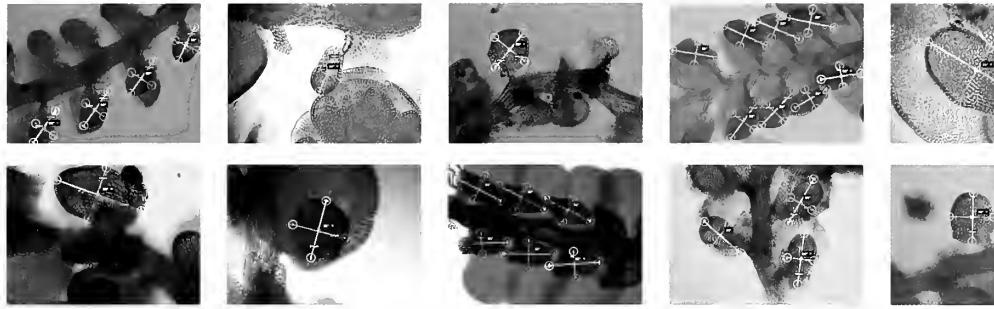


GN92092\_015D / KAREN BEAN (ABOVE)  
GN92092\_005D / KAREN BEAN (LEFT)



## MicroPlants

"We're trying to connect the collections to the outside world," says Matt von Konrat, botany collections head. The MicroPlants website allows citizen scientists, after brief training, to measure microleaves (an anatomical structure smaller than a tip on a pencil) of Museum specimens. Citizen scientists can even create an online profile to share their work or chat with von Konrat and his fellow scientists. More than 10,000 people have taken more than 60,000 measurements.



The collected data first helps build a profile for each specimen. Scientists use the measurements to help determine how to group different species and look for patterns that could suggest new ones. "We're about to publish a new species," says Konrat, "and one of our initial suspicions was derived from this data [collected by citizen scientists]."

Conceived as a community effort—both inside and outside the Museum—the MicroPlants project encourages everyone to participate. Visit the website and learn how to use the digital tool: [microplants.fieldmuseum.org](http://microplants.fieldmuseum.org).

[HTTP://MICROPLANTS.FIELDMUSEUM.ORG](http://microplants.fieldmuseum.org) (ABOVE)

## Volunteer Stewardship: Calumet Ecological Restoration

"Calumet is one of the nation's very special landscapes," says Mark Bouman, associate director of the Science Action Center. The Calumet region requires much observation, partially because of destructive human activity in the area, especially industrial development. Ecological restoration efforts help protect and revitalize the area. On the first Saturday of every month, volunteer stewards go to Beaubien Woods. Armed with gloves, tools, and a love of nature, they remove invasive plant species, such as buckthorn.

The project seeks not only to make the connection between science, nature, action, and communities, but to facilitate conversations between scientists and citizens. It is in these conversations where the greatest impact occurs and, according to Bouman, "where we find the real interesting magic in citizen science."

There are many ways for people of all ages to get involved with ecological restoration. Visit the Science Action Center's *Get Involved* page for details: [fieldmuseum.org/science/research/area/science-action-chicago/get-involved-stewardship](http://fieldmuseum.org/science/research/area/science-action-chicago/get-involved-stewardship). ITF

*Interested in other citizen science opportunities at The Field Museum? Check out our website [fieldmuseum.org/science/citizen-science](http://fieldmuseum.org/science/citizen-science).*

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ECCO 14579 / LAURA MILKERT

# Conserving an Egyptian Mummy

By JP Brown, Regenstein Conservator for Pacific Anthropology

## THE DECISION TO OPEN A 2,300-YEAR-OLD EGYPTIAN

**COFFIN ISN'T MADE LIGHTLY.** But after a CT scan revealed a badly damaged mummy, Field Museum conservators decided to undertake the procedure of opening one. Featured in *Mummies: Images of the Afterlife*, this particular mummy needed conservation work before traveling to other venues as part of the exhibition's tour.



\***Cartonnage** is a papier-mache-like material used to make decorative coverings for a mummy. It is typically made from layers of linen coated with painted or gilded plaster as the one pictured above.

Museum staff had already discovered much about the mummy before opening the coffin. Hieroglyphs, x-rays, and the CT scan helped form an initial picture of the body inside.

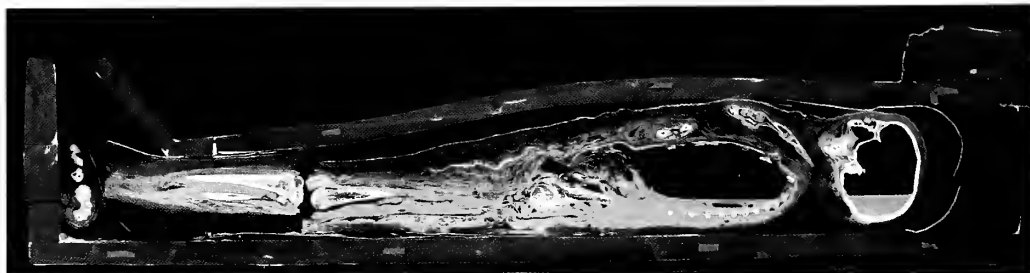
The coffin's hieroglyphs record that it contains the mummy of Minirdis, son of Inaros, a priest of the Egyptian god Min. X-rays show the mummy is rather shorter than the coffin, and that his legs are damaged. The CT scan confirmed the damage and suggested that it happened sometime after the mummy had been wrapped.

Conservators planned a careful opening of the coffin and treatment of the mummy. They used plastic wedges—the same kind used for prying a car stereo from a dashboard—to open a gap between the top and bottom of the coffin. They then fitted steel plates under the lid and clamped those to aluminum lifting bars. Raising the lid straight up by two feet, conservators then carried the lid forward to a treatment table.



Inside the coffin they found the mummy with his cartonnage\* askew and shroud twisted and torn, as indicated from the CT scans. What the scans couldn't show, however, was the beauty of the decoration of the gilded cartonnage or the image of the goddess Nut painted on the inside of the coffin. As this article goes to press, Museum conservators are busy reforming and repairing the cartonnage, re-wrapping the mummy, and conserving the coffin so that it will be ready to travel in September.

The touring version of The Field Museum's *Mummies: Images of the Afterlife* premieres in September at the Natural History Museum of Los Angeles County. You can see other conservation works in-progress by visiting the Regenstein Conservation Laboratory located on the Museum's upper level (second floor). **ITF**



IMAGES: THE FIELD MUSEUM



# Treasures of Earth and Sky

By Sarah Sargent, Exhibition Developer, Grainger Hall of Gems and the Cyrus Tang Hall of China

## THE SOUTH END OF THE FIELD MUSEUM'S UPPER LEVEL (SECOND FLOOR) HOUSES A

**RICH ARRAY** of gems, jades, meteorites, and other geologic wonders. More than “just rocks,” these objects and displays provide insight into the scientific and cultural significance of the Museum’s geology collections. The following is a brief tour of the marvels that await.



GN92068\_011D / KAREN BEAN

### ELIZABETH HUBERT MALOTT HALL OF JADES

In the early 20th century, the Museum’s first anthropology curator, Berthold Laufer, traveled to China to build a collection for The Field Museum. Among the artifacts he collected were jades, prized in China since prehistoric times. The Elizabeth Hubert Malott Hall of Jades opened in 2004 to house these and other “greenstone” artifacts from China and other world cultures. The term “jade” actually describes two distinct minerals: jadeite and nephrite, and the Malott Hall displays finely worked examples of both.

➔ Outside the Malott Hall, along the row of large south-facing windows, the Grainger Gallery presents ancient artifacts made of gold. Walk through this gallery to get to the Grainger Hall of Gems.



GN91343\_026D / JOHN WEINSTEIN

### THE GRAINGER HALL OF GEMS

In 2009, the newly installed Grainger Hall of Gems opened, grouping gems according to their chemical compositions. Diamonds have pride of place in the center of the hall along with gold—the precious metal most commonly associated with gems set in jewelry. Highlights of the Grainger Hall include gems from Tiffany & Company, first displayed at the 1893 World’s Columbian Exposition. After the fair, Museum trustee Harlow Higinbotham purchased the entire Tiffany collection and donated it to the newly founded Field Museum.

➔ Around the corner from the Grainger Hall are the reinstalled general geology displays, including the Museum’s extensive collection of meteorites.

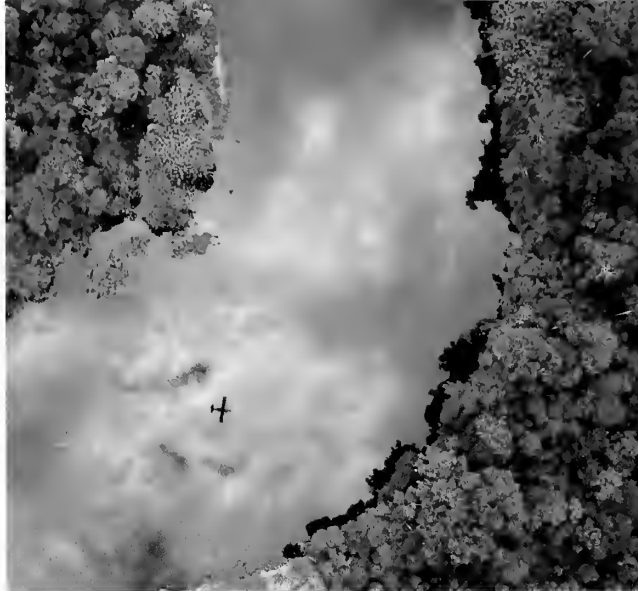


GN90599\_02D / MARK WIDHALM

### METEORITES

The 1893 Exposition also displayed meteorites, some of which you can see in The Field’s geology displays. The Museum’s most recently collected specimens are among the rarest in the world—these are fossil meteorites that fell to Earth around 470 million years ago after the breakup of an asteroid in orbit between Mars and Jupiter. These specimens will go on display across from the Jade Hall later this year, completing the geology displays on the Museum’s upper level.

➔ Complete your tour in the Cyrus Tang Hall of China’s “East Garden” (opening June 24) where you’ll find a collection of eight spirit stones. Spirit Stones are ancient limestone formations from Taihu Lake in Suzhou, China, corroded into extravagant shapes when the area was covered by sea. **ITF**

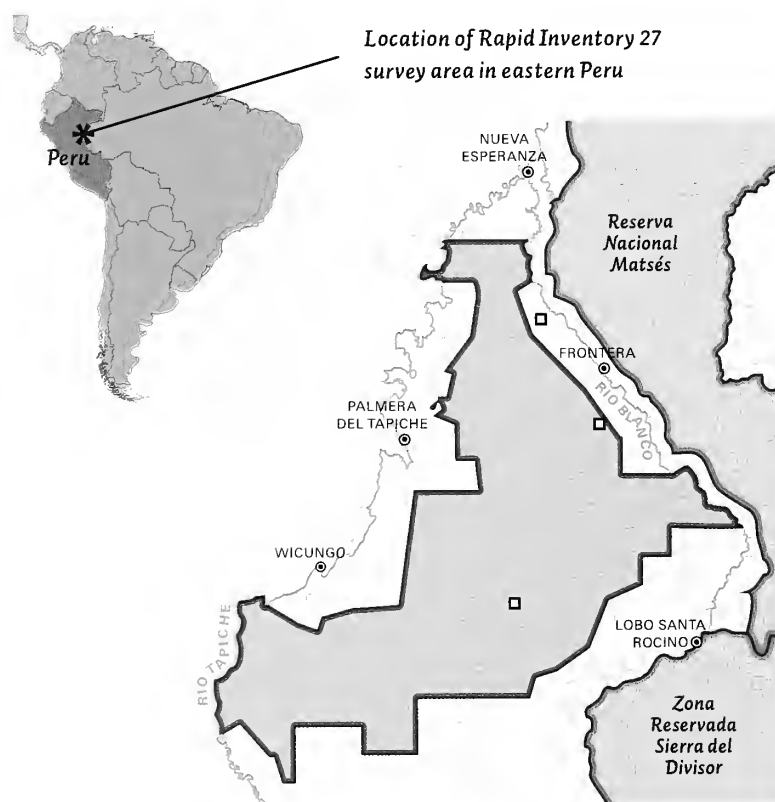


# DOING THE MATH: RAPID INVENTORY 27

By Christine Thom, Writer

**1,752.** THAT'S THE NUMBER OF SPECIES TALLIED DURING THE FIELD MUSEUM'S RECENT RAPID INVENTORY EXPEDITION TO THE PERUVIAN AMAZON.

The total includes 1,000 plants, 181 fish, 74 amphibians, 48 reptiles, 394 birds, and 55 mammals (including 11 bats)—all recorded in just 17 days!



Location of Rapid Inventory 27 survey area in eastern Peru

- Biological inventory
- Visited communities
- RI27 survey area
- ▨ Protected natural areas

For nearly 16 years, the Museum's Rapid Inventory program has brought together scientists and experts to conduct comprehensive assessments of highly biodiverse regions—fast! To date, the data generated from these inventories has helped to protect 32 million acres in the Amazon, Cuba, and China, supporting both biological and cultural conservation in these regions.

Corine Vriesendorp, PhD, director of the Museum's Andes-Amazon program, led the 27th Rapid Inventory expedition. Together with some 40 experts from The Field and other research institutions, the team surveyed a 778,382-acre area between the Tapiche and Blanco Rivers in northeast Peru.

"It's a key location," explains Vriesendorp, "as it lies between three areas that are already protected by the Peruvian government, the Matsés National Reserve, the Pacaya-Samiria National Reserve, and the Sierra del Divisor Reserved Zone."

Within this expanse lie a variety of habitats that are unique and rare within the Amazon basin, including savannah and white-sand forests. Here, the soil holds very few nutrients, yet vegetation and wildlife still thrive, and the slow-moving, blackwater rivers that drain these habitats contain the purest water the Rapid Inventory team has measured anywhere in the Amazon.

TOP OF PAGE: ÁLVARO DEL CAMPO (LEFT & MIDDLE); DÍANA ALVIRA (RIGHT)



Against this backdrop, team members collaborate to evaluate soils and water, inventory flora and fauna, and engage local people in long-term conservation of forests adjoining their communities. It's a special opportunity, as scientists from different disciplines—including geologists, botanists, ichthyologists, herpetologists, ornithologists, mammalogists, and social scientists—rarely get the chance to work together.

In the field, each team member takes a vast amount of notes and photographs, not only of the plants and wildlife within their own expertise, but also of any other discovery outside their specialty. Key specimens of plants, fish, reptiles, and amphibians are collected (though never birds or mammals). At the end of each day, the scientists gather together and talk about everything they've found. By combining their observations and findings, the scientists build a more complete picture of the region.

The Field's Rapid Inventory program is the only one of its kind to integrate biological and social sciences to implement more effective conservation strategies. The social team, led by Diana Alvira, PhD, talks with local people to learn about their concerns, like the threat of logging, mining, or drilling on their homelands, and what their daily lives look like. How do people use the natural resources around them, and which ones? How connected are they to the nearest large markets? What is their cultural history, what is important to them, and what do they want for their future? The long-term goal is for these communities—often remote and marginalized—to have a strong voice in the conservation of the landscape.

For the Rapid Inventory team, sharing the information they've learned is as important as gathering it. They present their preliminary findings to local, regional, and national leaders and decision makers before they leave Peru. The Field, as a highly respected academic institution, brings attention and credible science to the conservation plans for these spectacular places.

Corine Vriesendorp explains, "Outside forces move quickly. When you have a group of experts presenting material together, it helps to shift the focus. The Rapid Inventory work is fast, and with the data that is put together, you are able to place a real and compelling picture in front of decision makers." **ITF**

### Want to learn more about Rapid Inventories at The Field?

- The Brain Scoop traveled with the Rapid Inventory team on their 27th expedition—don't miss the latest installments on YouTube!  
**[www.youtube.com/thebrainscoop](http://www.youtube.com/thebrainscoop)**
- Next time you visit The Field, check out the *Abbott Hall of Conservation: Restoring Earth* to learn more about the Museum's Rapid Inventory program.  
**[restoringearth.fieldmuseum.org](http://restoringearth.fieldmuseum.org)**
- For daily news and updates on the team's discoveries, "like" RI27 on Facebook:  
**[www.facebook.com/pages/Rapid-Inventory-27-Tapiche-Blanco](http://www.facebook.com/pages/Rapid-Inventory-27-Tapiche-Blanco)**

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PERCY SABOYA



MARIO ESCOBEDO

# Making an Entrance

## The Viking Ship

By Franck Mercurio, Editor

**ON A CLEAR, COLD FEBRUARY MORNING, A FLATBED SEMI-TRUCK PULLED UP TO THE SOUTH ENTRANCE OF THE FIELD MUSEUM** carrying an unusual cargo:

a 27-foot-long replica Viking ship. The truck had traveled 1,700 miles to Chicago from the Royal British Columbia Museum in Victoria where the ship was displayed with the exhibition, *Vikings*. As local TV news

cameras rolled, a 90-ton crane began the careful task of lifting the 1,800-pound ship up and over The Field's marble stairway to the building's south doors. Staff adeptly lowered the boat onto custom made dollies and wheeled the vessel inside the Museum—just clearing the width and height of the entryway.

"After all the prep time leading up to that moment, it was exciting to see the ship make its way into the museum," said Susan Neill, the project manager for *Vikings*.

Different types of Viking ships served different purposes, as indicated by archaeological finds, written sources, and rock carvings (or "picture stones"). The Vikings' famous longships carried warriors for combat and raiding trips and could hold 50 to 100 rowers each. Cargo ships had deep hulls with high sides and transported live animals, including cattle, on ocean voyages to Viking settlements in distant lands.

Designed to handle shallow rivers and coastal waters, the Museum's vessel, named the *Krampmacken*, is smaller and more agile than its larger cousins. Created in the 1980s, the replica is based on the archaeological remains of a Viking boat uncovered at the site of Bulverket in Sweden. Researchers reconstructed this vessel to learn how the Vikings travelled across the Baltic Sea and down the rivers of Eastern Europe to the Black Sea. Between 1983 and 1985, a crew successfully rowed and sailed the replica from Gotland to Istanbul via several rivers in Eastern Europe.

Now safely "moored" at The Field Museum, the *Krampmacken* is on view now. See this stunning example of Viking maritime ingenuity through October 4. **ITF**

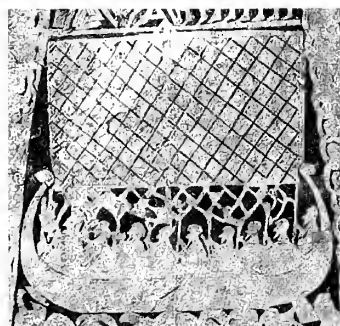


JEAN LACHAT / THE FIELD MUSEUM



RAYMOND HEJDSTROM

Gathering clues from Viking picture stones (right), researchers replicated the Krampmacken ship's sail using a distinctive checkered pattern (above). A replica of the original picture stone from Gotland, Sweden, is on display inside *Vikings*.



SWEDISH HISTORY MUSEUM

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CRUISES**

This exhibition was organized by the Swedish History Museum in Sweden, in partnership with MuseumsPartner in Austria.



# The Elliot Journal

## 1896 Africa Expedition

By Christine Giannoni, Head of Library Collections and  
Paul D. Brinkman, PhD, Library Associate



CSZ5974\_1\_57 CARL AKELEY

Carl Akeley after his infamous struggle with a leopard.

*Newspaper articles from 1896 provided sensational accounts of The Field Museum's Africa expedition. The Elliot journal enables historians to confirm the veracity of these news stories. One entry in particular documents a much-reported encounter between Akeley and a leopard. On Sunday August 16, Elliot wrote:*

*"An occurrence took place this afternoon which might have ended very seriously. ...[A] leopard...charged directly at [Akeley]. He had no more cartridges in his gun.... Seeing the leopard coming he ran as fast as he could... the next instance the beast was in the air, having sprung for his throat. Chuffing his rifle he gave it one blow which had no effect and then the leopard had seized his right arm in his teeth. Catching the animal by the throat, A. threw it to the ground, falling with it and planted his knees on its chest, pressing with his whole weight upon the lungs.... At length the pressure on his lungs was suffocating the beast.... The leopard's struggles gradually lessened and finally ceased and A. rose up, but in a few moments it began to gasp as the air returned the lungs... A. plunged [a knife] into the leopard's breast and finished the fight."*

**ON MARCH 4, 1896, A TEAM FROM THE FIELD MUSEUM EMBARKED UPON THE FIRST** zoological collecting expedition to Africa organized by a North American museum. Charged with securing an abundance of exotic specimens to flesh out a somewhat provincial collection, the expedition was a great success. Led by Daniel Giraud Elliot, curator of the Department of Zoology (except ornithology, then, a separate Museum division) and accompanied by The Field's newly appointed Chief Taxidermist Carl E. Akeley, the expedition ultimately secured more than 200 mammal skins, several hundred birds, and numerous reptile specimens.

Recently, the Museum's Mary Louise Rosenthal Library was fortunate to acquire a manuscript journal from the expedition, kept by its intrepid leader. Rich in narrative

detail, Elliot's journal provides a comprehensive account of the day-to-day activities of the expedition. As such, it is a critical new resource for historians of science, zoologists, and the Museum community. If the official letters and dispatches are the bones of the expedition, the journal is its beating heart.

The Museum's librarians and archivists have cared for a variety of primary source materials concerning this expedition for more than a century. The Photo Archives contains more than 300 stunning photographs documenting scenery, people, and specimens, while the Museum Archives holds a wealth of fascinating letters and dispatches from the field.

Elliot's journal records the collecting of many African mammals, including oryx, leopard, the Somali wild ass (nearly extinct in the wild), and many other charismatic species which continue to be curated and studied today in the Museum's world-class mammal collections. Akeley expertly prepared and mounted many of these specimens in habitat dioramas, a style of zoological display that revolutionized the look and feel of natural history museums in the early 20th century. Some of the 1896 specimens can still be seen today in the Akeley Memorial Hall of African Mammals. **ITF**

*This acquisition was made possible through the generous support of the Museum Collections Spending Fund as well as The Louann Hurter Van Zelst Purchase Fund*

# African Safari at The Field

By Judy Johanson, Museum Docent

**SOME OF THE FIELD MUSEUM'S BEST-KEPT SECRETS INCLUDE ITS FREE TOURS LED BY TRAINED VOLUNTEERS.** The Museum's docent corps offers more than 25 different tours of exhibitions covering topics ranging from the broad ("Museum Highlights") to the specialized ("Cuisines of the Ancient Americas"). Of course, you can enjoy the Museum's exhibitions on your own, but in a guided tour you can discover new things and learn interesting facts that will enhance your visit.



Installed in 1932, the "African Watering Hole" diorama was created by Clarence Albrecht (taxidermist) and Charles Corwin (muralist) and contains 23 mammals collected on the Museum's 1929 Abyssinian Expedition.

Join me on the "African Safari" tour held every Monday at 1 pm; the tour begins at the Information Desk in Stanley Field Hall. In the savannah (inside the Hall of African Mammals) we will see the "big five" that everyone hopes to encounter on safari: elephant, lion, leopard, cape buffalo, and rhino.

On the tour, you can ask questions about these and other African mammals. Why are the elephants in Stanley Field Hall fighting? What is the difference between a black and white rhino? (They are both dark in color.) Why does a giraffe have lots of animal friends? How can you tell one zebra from another?

I created this tour after taking many trips to Africa where I explored as a visitor, but also served as a volunteer on research projects. One particularly memorable excursion was a Museum-sponsored trip to Botswana led by Field Museum curator Bruce Patterson, PhD.

Round out the tour with a visit to the Lions of Tsavo and get the inside scoop on these famous "man eaters."

See you on safari at The Field—no visa required! **ITF**

## A NEW WAY TO EXPLORE THE MUSEUM

By Franck Mercurio, Editor

Want to know all there is to see and do at the Museum on any given day? This July, stop by one of six new interactive "orientation stations" when you visit The Field. These large-scale touchscreens provide information on docent-led tours, special exhibitions, 3D films, events, and public programs offered at the Museum.

The interface is fun and easy to use. Explore The Field virtually through interactive floor plans, select the activities you would like to do, then generate a list of favorites and send it to your smart phone or tablet.



# Continuing a Legacy: The Museum's Habitat Dioramas

By Emily Graslie, Chief Curiosity Correspondent

## IT'S DIFFICULT TO CONJURE AN IMAGE OF A NATURAL HISTORY MUSEUM

that does *not* include a classic diorama or scene of preserved specimens in beautifully recreated habitats behind glass. These marvels of traditional artistry—many created more than 60 years ago—still have the power to connect visitors with the natural world in ways that are both nostalgic and inspiring.

In addition to encouraging questions about animals and their environments, habitat dioramas prompt us to consider the evolution of museums over the last century. As in other long-lived natural history museums, some of The Field's habitat dioramas are showing their age. Their value and relevancy has been questioned in our modern era where media and technology can create dynamic, interactive experiences to replace more traditional habitat scenes. Yet, dioramas transport visitors unlike any other medium, allowing immersive views into the natural world, one hall at a time. They are the bookmarks of our history and reflect the variety of Earth's environments at specific moments in time, acting as valuable comparisons for the state of species distribution and ecological health today.

Recently, one diorama has received quite a bit of attention at The Field Museum—mainly because it's empty. Of the 20 planned dioramas in the Hall of Asian Mammals, only 19 were completed 60 years ago. In April, The Brain Scoop and The Field launched an online fundraising campaign to finish the hall. Money raised from the campaign will help restore four striped hyena specimens and move them from their current location into a newly created diorama,



Striped hyenas (*Hyaena hyaena*) range from northern and northeast Africa through the Middle East and into India. Carl Akeley (1864–1926) mounted these four striped hyena specimens shortly after the first Field Museum-sponsored expedition to Africa in 1896. This vintage photo was taken in 1898 at the old Field Columbian Museum in Jackson Park.

filling the last empty display space inside the Hall of Asian Mammals. Along the way, The Brain Scoop team will document each step in the process.

With help from Museum members, this diorama will serve as an important example of the intersection between art, science, and education for many years and generations to come. The Project Hyena campaign continues through the end of May. To learn more about the project and support the diorama, visit [fieldmuseum.org/projecthyena](http://fieldmuseum.org/projecthyena). **ITF**

*the* **BRAIN SCOOP** *with*  
EMILY GRASLIE

Emily Graslie, YouTube personality and the Museum's first-ever Chief Curiosity Correspondent, hosts the popular web series *The Brain Scoop*. Visit [youtube.com/thebrainscoop](http://youtube.com/thebrainscoop).

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**THE FIELD MUSEUM EXTENDS ITS GRATITUDE TO MEMBERS OF** the Field LOYALTY Club for their ongoing support. Their dedication to the Museum sets a philanthropic example for fellow supporters, visitors, and friends. This list reflects members and donors who surpassed the 20-year mark in their continuous support as of December 31, 2014. If you feel an error has occurred in compiling this list or want more information about the Field LOYALTY Club, please contact Erin King at 312.665.7715 or [eking@fieldmuseum.org](mailto:eking@fieldmuseum.org). **Thank you!**

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## JANET AND JERRY ETSHOKIN

LOYALTY Club members Janet and Jerry EtsHokin are passionate about The Field.

As a child, Janet took the bus with her father from Hyde Park to visit the Museum on Sunday mornings. Her favorite exhibition was *Inside Ancient Egypt*. Today, she and her husband Jerry are still interested in archaeology and enjoy visiting *The Ancient Americas*.

Continuing the family ties, granddaughter Eriika is a volunteer. Janet and Jerry would rather "show" than "tell" when it comes to The Field Museum, bringing friends and family to special events and exhibitions. Their advice: plan ahead for what you want to see!

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 Dr. Wendall W. Wilson  
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 Mr. and Mrs. James R. Wimmer  
 Mr. and Mrs. Norman S. Wolowicki  
 Mrs. Roycealee J. Wood  
 Nancy and John Wood  
 Dr. John P. Wortel and Ms. Judy Ochoa  
 Mr. and Mrs. Donald P. Woulfe  
 David and Kay Wulf  
 Anonymous (7)

Those individuals whose cumulative support reaches 20 years in 2015 will be added to the Field LOYALTY Club, with a new class in each following year.

\*TRUSTEE ^MUSEUM STAFF

# The Greeks

## Agamemnon to Alexander the Great

By Susan Neill, Exhibitions Project Manager

From early farming villages in the Neolithic period to the death of Alexander the Great, *The Greeks—Agamemnon to Alexander the Great* presents more than 5,000 years of Greek history and culture through the perspectives of individuals, revealing how they viewed themselves and the world around them in both life and death. The exhibition offers remarkable encounters with Mycenaean rulers and priestesses, the warriors and princesses of Archaic Greece, and the heroes and athletes of classical Athens and Sparta. The exhibition concludes with the powerful kings of Macedon, including Philip II, who unified the Greek city-states and his son, Alexander the Great, who spread Hellenic civilization throughout much of the known world.

More than 500 exquisite archeological treasures drawn from 21 major Greek museums will bring these stories to life. Many of the artifacts have never been exhibited outside of Greece. Visitors will leave with powerful impressions of the origins of Greek culture and its widespread influence through time and across continents. Mark your calendar—*The Greeks* opens at The Field Museum on November 25. **ITF**

*The exhibition is co-presented in Chicago by The Field Museum and National Hellenic Museum.*

Queen Meda's myrtle crown  
 from the antechamber of the tomb  
 of Philip II, 336 BC.

© MUSEUM OF THE ROYAL TOMBS  
 OF AIGAI, VERGINA



**Time to renew your membership?**

Call 312.665.7700 • Mon.–Fri., 8:30am–4:30pm

Visit [fieldmuseum.org/membership](http://fieldmuseum.org/membership)



# Join the Herd!

## Mammoth Gifts at The Field

Step back in time to the age of *Mammoths* and *Mastodons* and bring home a "prehistoric" memento of your visit to The Field Museum! From a cuddly plush, like our fluffy mammoth, to colorful elephant print scarves, shop all our stores for gifts that are educational, stylish, and fun—for the young and the young at heart.

Remember, Field Museum members receive a 10 percent discount on all Store purchases, and each purchase supports the Museum's public and scientific programs. As always, you can shop 24 hours a day at [store.fieldmuseum.org](http://store.fieldmuseum.org).



Naming The Field Museum in your will or estate plans can ensure the fulfillment of the Museum's mission for generations to come. There are many ways for you to begin your legacy now. If you have already made or are planning to make The Field Museum one of your beneficiaries, please let us know so we may thank you.

For more information about making a planned gift to The Field Museum please contact Bob Shafis at 312.665.7666, or [rshafis@fieldmuseum.org](mailto:rshafis@fieldmuseum.org).



## museum campus neighbors

### ADLER PLANETARIUM

Celebrate a **Summer of Science** at the Adler Planetarium with hands-on, minds-on activities for the whole family. Learn how to cook up your own comet, Skype with scientists at the South Pole Telescope in Antarctica, and steer a giant helium balloon with DIY electronics. While you're here, take a fast-paced tour of our cosmic backyard in **Destination Solar System** and experience America's first steps to space through the eyes of Captain James A. Lovell, Jr. in **Mission Moon**. Visit [www.adlerplanetarium.org](http://www.adlerplanetarium.org) for more details.

### SHEDD AQUARIUM

Spring into Shedd's new special exhibit, **Amphibians**, to meet 40 species of frogs, salamanders and rarely seen caecilians. Learn about amphibians, including the metamorphosis of their bodies from egg to adult; the adaptations that enable them to succeed in habitats around the world, and the environmental threats that challenge their survival. Then feel the wonder of a school of gentle rays gliding under your fingertips as the **Stingray Touch** seasonal experience reopens. For details, visit [www.sheddaquarium.org](http://www.sheddaquarium.org).



The Field Museum salutes the people of Chicago for their long-standing support of the Museum through the Chicago Park District.



ILLINOIS  
ARTS  
COUNCIL  
AGENCY

Programming is partially supported by a grant from the Illinois Arts Council Agency.

Official Airline of The Field Museum

UNITED 



# events



## ART AND SCIENCE SPOTLIGHT @ Crown Family PlayLab

Listen to storytellers, sing with musicians, and create with artists in the *Crown Family PlayLab*. Animals Tracks (5.16) and Mammoths and Mastodons (6.20, 7.18, and 8.15). For children ages 6 and under. FREE

**Third Saturday of the month**  
May 16 / June 20 / July 18 / August 15 /  
11am-2pm

FAMILIES



GN92001\_0140 / JOHN WEINSTEIN

## SUMMER WORLDS TOUR

Summer Worlds Tour offers a week of adventures in Chicago's premier museums for children entering kindergarten through fifth grade in the fall of 2015. Please visit [www.adlerplanetarium.org/camps](http://www.adlerplanetarium.org/camps) to register. \$305, \$275 members

**1 Mon-Fri / July 6-10 / 9am-3pm**  
**2 Mon-Fri / July 13-17 / 9am-3pm**  
**3 Mon-Fri / July 20-24 / 9am-3pm**  
**4 Mon-Fri / July 27-31 / 9am-3pm**

KIDS



GN91666\_0440 / JOHN WEINSTEIN

## DINO CAMP 2015 I spy a dinosaur! Do you?

*Dino Camp* is an early childhood camp designed expressly for young explorers ages 3-4 with their caregivers. Tickets are on sale now. \$76, \$67 members

**1 Tuesdays / June 2 + 9 / 9-11:30am**  
**2 Wednesdays / June 3 + 10 / 9-11:30am**  
**3 Tuesdays / June 16 + 23 / 9-11:30am**  
**4 Wednesdays / June 17 + 24 / 9-11:30am**

FAMILIES



## DOZIN' WITH THE DINOS Spend the night at The Field Museum!

Overnights are held on select Fridays from 5:45pm to 9am the following morning for families with children ages 6-12 years old. Tickets for the 2016 season go on sale July 1. Visit [fieldmuseum.org/overnights](http://fieldmuseum.org/overnights) for dates.

Standard Overnight: \$65, \$60 members/groups  
Premium Package 1: \$78, \$68 members  
Premium Package 2 with Tour: \$90, \$80 members

**Select Fridays in 2016**

FAMILIES



EDUCATION DEPARTMENT

## BADGE DAY AT THE FIELD

*Badge Day at The Field* has Boy and Girl Scouts trekking across the Museum, exploring natural sciences through hands-on activities, and going behind the scenes with a Field Museum scientist. All Merit Badge requirements are completed through the program. Registration begins July 1. \$30, \$25 members

**Select Saturdays beginning**  
**Fall 2015 / 9:30am-3pm**

SCOUTS



EDUCATION DEPARTMENT

## SCIENCE WORKSHOPS FOR TWEENS

Tweens can take part in this unique opportunity to delve deeper into science at The Field! Participants explore Museum exhibitions, go on a behind-the-scenes tour with a Field Museum scientist, and engage in hands-on activities using real specimens and artifacts. Registration begins July 1. \$40, \$35 members

**Select Saturdays / 10am-2:30pm**

SCOUTS

**PROGRAM TICKETS + INFO**

**312.665.7400**

**MEMBERSHIP**

**312.665.7700**

**For event details, program registration, and to explore the Museum's full events calendar, please visit [fieldmuseum.org/at-the-field](http://fieldmuseum.org/at-the-field).**



EDUCATION DEPARTMENT

**GAMING THROUGH THE AGES**  
Exploring the Rise and Fall of Ancient Civilizations

Play board games and investigate life in ancient times! Explore two new exhibitions: the *Cyrus Tang Hall of China* and *Vikings*. Go behind the scenes, meet the exhibitions' curators, and examine daily life thousands of years ago. Open to teens 12–13 years old. \$49, \$39 *members* (scholarships available)

**Mon–Fri / June 22–26 / 9am–1pm**

ADULTS / FAMILIES / KIDS / SCOUTS / TEENS



EDUCATION DEPARTMENT

**GAME DESIGN**  
Exploring the Rise and Fall of Ancient Civilizations

Travel back in time and investigate daily life in China through our new exhibition, the *Cyrus Tang Hall of China*. Play games about ancient civilizations then design your own analog or digital game! Open to teens 14–17 years old. \$99, \$79 *members* (scholarships available)

**Mon–Fri / July 6–17 / 10am–2pm**

ADULTS / FAMILIES / KIDS / SCOUTS / TEENS



EDUCATION DEPARTMENT

**DESIGNING 3D OBJECTS WITH MEANING: Cultural Symbolism in Ancient Civilizations**

Explore artifacts recovered from the 13th-century *Java Sea Shipwreck*, investigate the meaning of the color yellow, and discover the stories beneath the surface in the *Cyrus Tang Hall of China*. Using 3D design tools, design and make an object that tells your own story. Open to teens 14–17 years old. \$99, \$79 *members* (scholarships available)

**Mon–Fri / July 27–August 7 / 10am–2pm**

ADULTS / FAMILIES / KIDS / SCOUTS / TEENS



INSTITUTIONAL ADVANCEMENT

**EVOLVE**  
The Field Associates Fundraiser

Everyone (21+) is invited to attend an evening of delicious food, specialty cocktails, and dancing hosted by the Field Associates. This Field Museum auxiliary group is designed for young professionals and is dedicated to engaging the next generation of Chicago's civic leaders. \$90 *early bird* (before June 1), \$100 (on or after June 1), \$125 VIP

**Saturday / June 27 / 9pm–12am**

ADULTS / FAMILIES / KIDS / SCOUTS / TEENS



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**PASSPORT TO CHINA**

Celebrate the opening of the *Cyrus Tang Hall of China* with "Passport to China," an exclusive after-hours party including access to the exhibition. Experience a curated viewing of the *Tang Hall*, enjoy live music from local bands, and sample Chinese cuisine from Chicago restaurants. Cash bar. Tickets on sale May . \$35, \$30 *members* (until July 2), \$40, \$35 *members* (until July 8), \$45, \$40 *members* (at the door)

**Thursday / July 9 / 6–9pm**

ADULTS / FAMILIES / KIDS / SCOUTS / TEENS

Education and Community Partner:



204510\_10D / JOHN WEINSTEIN

**SCIENCE VISUALIZED**

This weekend workshop offers participants an opportunity to explore the variety of ways we visualize science at The Field Museum. Attendees go behind the scenes—through library archives, 3D printing lab, and specimen prep labs—visualizing science through illustration, photography, and diorama building. Illustration and diorama-building supplies will be provided. \$125, \$115 *members*

**Saturday + Sunday / August 1 + 2 / 10am–4pm**

ADULTS / FAMILIES / KIDS / SCOUTS / TEENS

# The Field Museum

1400 South Lake Shore Drive  
Chicago, IL 60605-2496

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**Join us for the 64th Annual Members' Nights  
on Thursday, May 14 and Friday, May 15, 5-10pm.**

## MAY 14+15

At Members' Nights, explore vast collections, interact with curators and staff, and witness behind-the-scenes work that defines The Field as one of the world's greatest museums.

Plus, be one of the first to see the *Cyrus Tang Hall of China* during a special "sneak preview" at Members' Nights. In this new permanent exhibition, discover a culture of deep tradition and dynamic change as you travel across thousands of years of Chinese history—only at The Field.

We hope you can celebrate with us at Members' Nights. RSVP now with Member Services at 312.665.7705 or by visiting [fieldmuseum.org/membership](http://fieldmuseum.org/membership).

See you there!

Members' Nights Sponsor:

*charles*  
SCHWAB



GN91954\_001D / KAREN BEAN

PHOTOS: JENNA BRAUNSTEIN PHOTOGRAPHY



## EVOLVE with the Field Associates

**Support The Field Museum in a fun and unique way!** Mark your calendar for June 27 and attend *Evolve*, an evening of delicious food, specialty cocktails, and dancing hosted by the Field Associates. This Field Museum auxiliary group is designed for young professionals, and is dedicated to engaging the next generation of Chicago's civic leaders. At *Evolve*, Museum scientists will share some of their incredible discoveries and research. Proceeds help support the Museum's education programs, exhibitions, and collections. Everyone is invited, and early bird pricing is available! Corporate sponsorship opportunities are also available. To learn more or share feedback, please contact Mike Wren at [mwren@fieldmuseum.org](mailto:mwren@fieldmuseum.org) or 312.665.7777.



Connect with The Field Museum online!

